

Modified Fittings Enhance Industrial Safety



Kennedy Space Center

***PT Coupling Company
Enid, Oklahoma***

NASA Technology

- ◆ In a massive processing facility at Kennedy Space Center, workers move large and heavy machinery with air-powered pallets
- ◆ NASA developed custom cam and groove fittings to prevent accidental releases of the pressurized hoses, which can cause injury



Partnership

- ◆ Years later, an engineer at PT Coupling was trying to solve the same problem but with little success
- ◆ In researching the issue, the engineer discovered NASA's product, and PT Coupling licensed the technology
- ◆ Since then, PT Coupling has modified the design for its own purposes and commercialized the cam and groove fittings it developed

Benefits

- ◆ The company sells the PT Pressure Safe, a coupling for liquid and dry material transfers in the petroleum and chemical industries
- ◆ The couplings feature quick connections (no hand tools or threaded connections needed), and they negate the harm posed by a sudden or accidental release